

Room 4, Conference Center  
U.S. Department of Transportation  
1200 New Jersey Avenue, S.E., Washington, D.C. 20590

Webroom: [https://connectdot.connectsolutions.com/usrs\\_wg/](https://connectdot.connectsolutions.com/usrs_wg/)  
Audio conference number: (515) 739-1285, Passcode: 286074#

## Agenda

9:30 - 10:00: Introduction

- Group introduction
- Review workshop goals
  - Identify the essential objects needed to identify, locate, and classify roads.
  - Identify the essential attributes needed to describe objects defined in item.
- Discussion of simple and complex features
  - We are using ISO 14825 to help us define the base road specification.
  - ISO 14825 defines Geographic Data Files for Intelligent Transport Systems.
  - GDFs are comprised of objects and features.
  - GDFs define four feature categories; point, line, areas, and complex.
  - Simple features are points, lines, and areas.
  - Complex features are aggregations of other simple features, complex features, or a combination of both.
  - These objects and features are divided across 3 levels.
    - Level 0 represents the topological primitive building blocks of Node, Edge, and Face.
    - Level 1 represents simple features such as points, lines, and areas.
    - Level 2 represents complex features.
  - This working group has required that data meeting the base specification shall be accessible and easy to exchange. To meet those requirements, we will only consider level 1 features for the base specification.
- Ground Rules
  - Be Respectful
  - No talking over each other
  - No Acronyms
  - Try to have fun
  - Speak up for those on the phone
  - Define what the base spec is - not how to implement**
  - Parking lot for ideas for later discussion

10:00 - 11:00: Feature Review

- Road Element Feature
- Junction Feature
- Ferry Connection Feature
- Pathway Feature
- Enclosed Traffic Area

- Address Area
- Address Area Boundary Element

Break ---

11:00 - 12:00 Attribute Review

- Road Element Attribute Review

Unique Identifier

Directional Prefix

Street Type Prefix

Official Street Name Body— Mandatory

Trailing Spaces

Street Type Suffix

Directional Suffix

Alternate (Optional)

Directional Prefix

Street Type Prefix

Official Street Name Body— Mandatory

Trailing Spaces

Street Type Suffix

Directional Suffix

12:00 - 1:00: Lunch DOT Cafeteria

(Sorry, Federal law prevents us from providing lunch.)

1:00 - 3:30: Attribute Discussion (continued)

- Road Element Attribute Review (CONTINUED)  
roUTE id  
aLT rOUTE id

V1 Extensions to discuss

Accommodate Addresses and Address Ranges

Display Classes

Functional Class

USGS and Census

USDOT

User Defined?

Nat Road Class?

- Junction Attribute Review  
Unique ID Only

- Ferry Connection Attribute Review  
Unique ID  
Route ID  
Func Class handled as Road Element is
- Enclosed Traffic Attribute Review  
Unique ID

#### 2:25 - ?: Next Steps

- Path Forward or Discuss Base Specification Extensions
- Version 1 Extensions to discuss
  - ~~Addresses~~
  - Functional Class (Purpose of the Roads)
    - USGS
    - Census
    - USDOT
    - Big Meta Universal US Federal Functional Classifications (Version 2)
      - Elaine to contact me
    - User Defined?
    - Nat Road Class?
  - Address Ranges
    - No Pii
    - Eval Address Area Attribute Extension
    - Eval Address Area Boundary Element Extension
  - Display Classes (e.g. Web Mapping)
    - Assigning “importance” values
    - Order of mapping
    - Scale dependent rendering
  - Feature Level Metadata
    - Authority / Source
    - Positional Accuracy
    - Vintage
    - Spatial Resolution
    - Distribution Format
  - Pathway / Pedestrian Extension (People walk!) (Version 1.x)

#### 2:45 Open Discussion

- Linear Referencing System Discussion
- State Border Crossing Junctions National Ids (USDOT)
- Segment at Admin Boundaries (State, County, etc...)
- How are bridges and tunnels mapped

**Next Steps**

- Report out - Draft to attendees
- Get State Stakeholder Feedback
- Present at GIS-T
- NISGIC Agenda - Utah
- Write Spec
- April - 11 Meeting

3:00: Close

3:00 - 4:30: Networking Event at Due South